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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/559,741	12/06/2005	Nathan Intrator	BRUN-001XX	3855	
207 WEINGARTE	7590 06/28/200 N, SCHURGIN, GAGN	EXAMINER			
TEN POST OFFICE SQUARE BOSTON, MA 02109			LOBO, IAN J		
			ART UNIT	PAPER NUMBER	
			3662		
			MAIL DATE	DELIVERY MODE	
			06/28/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/559,741	INTRATOR ET AL.				
Office Action Summary	Examiner	Art Unit				
•	lan J. Lobo	3662				
The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address				
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
	-· action is non-final.					
·=						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-33</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-33</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
	4	•				
Application Papers						
9) The specification is objected to by the Examiner						
10) The drawing(s) filed on is/are: a) acce						
Applicant may not request that any objection to the o		• •				
Replacement drawing sheet(s) including the correcti						
11) The oath or declaration is objected to by the Ex	ammer. Note the attached Office	Action or form P10-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. ☐ Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau	(PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.						
		:				
Attachment(s) 1) Notice of References Cited (PTO-892)	4) D 1-1 ! 0	(DTO 442)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 12/2005. 5) Notice of Informal Patent Application Other:						

Art Unit: 3662

DETAILED ACTION

Double Patenting

1. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Page 3

Application/Control Number: 10/559,741

Art Unit: 3662

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

2. Claims 1-33 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-28 of copending Application No. 10/559,623. Although the conflicting claims are not identical, they are not patentably distinct from each other because the subject matter of the instant claims (estimating the instantaneous signal-to-noise ratio) are provided by and fully encompassed by the subject matter of the '623 application (estimating the range). Specifically, the left column contains claims of the instant application and the right column are claims from the '623 application and not patentably distinct from those in the left column.

Instant application	'623 application	
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Application/Control Number: 10/559,741

Art Unit: 3662

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Application/Control Number: 10/559,741

Art Unit: 3662

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This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Specification

3. The abstract of the disclosure is objected to because it is not directed to that which applicants regard is new in the art to which the invention, <u>as claimed</u>, pertains. Correction is required. See MPEP § 608.01(b).

Allowable Subject Matter

4. The following is a statement of reasons for the indication of allowable subject matter:

The instant claims are allowable over the prior art of record because the prior art does not teach or fairly suggest a data analyzer that receives cross-correlation output data and analyzes the output data for determining variability of cross correlation peaks within each frequency sub-band, for identifying the lowest frequency sub-band having a corresponding low peak ambiguity and estimating the signal-to-noise ratio based upon the peak variability and center frequency of an identified frequency sub-band and a predetermined frequency range.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ian J. Lobo whose telephone number is (571) 272-6974. The examiner can normally be reached on Monday - Friday, 6:30 - 3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas H. Tarcza can be reached on (571) 272-6979. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

lan J. Lobo

Primary Examiner

Art Unit 3662